

CLAIMS

What is claimed is:

Sub B3

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SUB
BY

1. A method for uniform representation of a subject genome sequence comprising the steps of:
 - providing a set of known biological fragments, the set being of a predetermined number of said known biological fragments;
 - comparing each known biological fragment from the set to a subject genome sequence, for each known biological fragment said comparing including (i) counting the number of times the known biological fragment is found in the subject genome sequence and (ii) from said counted number of times, forming a vector element, such that for each known biological fragment there is a respective vector element representing the number of times that known biological fragment is found in the subject genome sequence; and
 - from the formed vector elements, forming a vector having a length equal to the predetermined number of known biological fragments in the provided set, such that the formed vector provides a fixed length representation of the subject genome sequence.
2. A method as claimed in Claim 1 wherein the set of known biological fragments is from published databases of motifs or proteins.
3. A method as claimed in Claim 1 further comprising the step of:
 - for each desired subject genome sequence, repeating the comparing and forming steps such that a respective vector representation is formed and each desired subject genome sequence has a same length vector representation.

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- Sub Bb

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18. Apparatus as claimed in Claim 10 wherein the generated score is a counting of a number of occurrences of the known biological sequence found in the subject genome sequence.

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ADD
B2